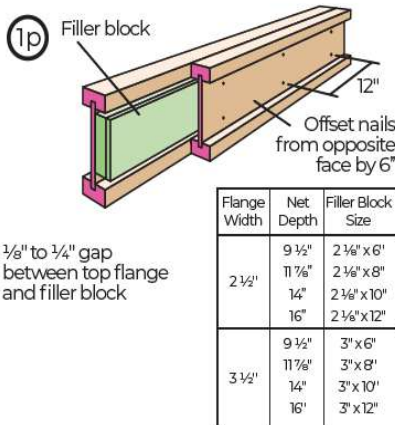


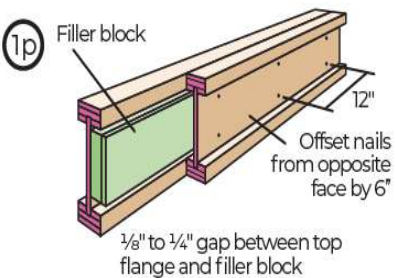
Web filler block requirements and specifications

Web filler blocking/material is a common detail used to reinforce the structural capacity of PKjoists® when induced loading occurs from either the side of the I-joist such as a concentrated load from a head out or when non-uniform load is induced from the top of the I-joist. The following detail is required when concentrated side loads are applied.



NOTES:

1. Support back of I-joist web during nailing to prevent damage to web/flange connection.
2. Leave a 1/8" gap between top of filler block and bottom of top I-joist flange.
3. Filler block is required between joists for full length of span.
4. For flange widths of 2 1/2" or less, nail joists together with two rows of 3" 10d common nails, 12" o.c. (clinched when possible) on each side of the double I-joist (total 4 nails per ft.). For flange widths greater than 2 1/2" use two rows of 3" 10d common nails at 6" o.c. on each side of the double I-joist (total 8 nails per ft.).
5. The maximum load that may be applied to one side of the double joist using this detail is 620 lb./ft.
6. For I-joist depths greater than 16 inches, please contact your PKJoist representative for details.
7. Web fill may be omitted for some loading conditions. Please contact your PKJoist representative for details.



NOTES:

1. Support back of I-joist web during nailing to prevent damage to web/flange connection.
2. Leave a 1/8"-1/4" Gap between the Top and Bottom Flange of the I-joists being connected.
3. Filler block is required between joists for full length of span when I-joist is side loaded. If I-joist is evenly top loaded, no filler block is required.
4. For flange widths of 2 1/2" or less, nail joists together with two rows of 3" 10d common nails, 12" o.c. (clinched when possible) on each side of the double I-joist (total 4 nails per ft.). For flange widths greater than 2 1/2" use two rows of 3" 10d common nails at 6" o.c. on each side of the double I-joist (total 8 nails per ft.).
5. The maximum load that may be applied to one side of the double joist using this detail is 620 lb./ft. When joists are connected with filler.
6. For I-joist depths greater than 16 inches, please contact your PKJoist representative for details.

Flange Width	Net Depth	Filler Block Size	Flange Width	Net Depth	Filler Block Size	Flange Width	Net Depth	Filler Block Size
2"	9 1/2"	2 3/8" x 6"	2 3/8"	9 1/2"	2 7/8" x 6"	3 1/2"	9 1/2"	3" x 6"
	11 7/8"	2 3/8" x 8"		11 7/8"	2 7/8" x 8"		11 7/8"	3" x 8"
	14"	2 3/8" x 10"		14"	2 7/8" x 10"		14"	3" x 10"
	16"	2 3/8" x 12"		16"	2 7/8" x 12"		16"	3" x 12"

Notes

1. Filler block/material is required between PKjoists® for the full length of the span when uniform side loads are applied. Filler block/material 24-inch in length may be used instead of the full joist length when the side load is concentrated such as a joist head out.
2. Web filler block/material is to be installed tight to the underside of the top flange. See above detail for dimensional requirements of filler.
3. Triple joists are permitted provided that each joist is filled as per the double joist detail.
4. Web filler block/material is NOT required when joists are nested as doubles for additional bay space for mechanicals or when joists are subjected to uniform top loads only.
5. For other conditions, consult a licensed design professional.

If you have any questions, please contact XP-EWP for details.

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TECHNICAL BULLETIN

TB04

January 2026